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IN THE CLAIMS:

31 1. (Currently Amended) A ~~device driver for a network device controller~~

32 ~~for selectively controlling an end device in a control network, said device driver~~

33 comprising:

34 a device driver for selectively controlling an end device in a control

35 network, wherein said driver comprises:

36 a plurality of input selectors ~~first means~~ for selecting a plurality of first
37 output signals from a plurality of first input signals;

38 at least one intermediate selector ~~second means~~ for selecting at least
39 one second output signal from said first output signals; and

40 an output selector ~~third means~~ for selecting an operating mode of the
41 end device from a plurality of predefined operating modes base on said second
42 output signal.

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44 2. (Cancelled without prejudice or disclaimer)

1 3. (Original) The device driver as defined in claim 12 wherein said
2 output of each of said input selectors are connected to said plurality of inputs of said
3 at least one intermediate selector, and said output of said at least one intermediate
4 selector is connected to said output selector for selecting said operating mode.

1 4. (Original) The device driver as defined in claim 3 wherein said
2 output of said at least one intermediate selector is input to a switch and an output of
3 said switch is connected to said output selector for selecting the operating mode,
4 when there are more than one said at least one intermediate selector.

1 5. (Original) The device driver as defined in claim 1 wherein said
2 plurality of predefined operating modes include a first operating mode in which the
3 end device is operated at any point from a first mode to a second mode.

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1 6. (Original) The device driver as defined in claim 5 wherein said
2 plurality of predefined operating modes include a second operating mode in which
3 the end device is operated at said first mode or said second mode.

1 7. (Original) The device driver as defined in claim 6 wherein said
2 plurality of predefined operating modes include a third operating mode in which the
3 end device is operated at said first mode.

1 8. (Original) The device driver as defined in claim 7 wherein said
2 plurality of predefined operating modes include a third operating mode in which the
3 end device is operated at said second mode.

1 9. (Original) The device driver as defined in claim 12 wherein said
2 plurality of input selectors are connected to a first common input select signal for
3 selecting said first output signals, and said at least one intermediate selector is
4 connected to second a common input select signal for selecting said second output
5 signal.

1 10. (Original) The device driver as defined in claim 1 wherein each
2 of said plurality of first input signals corresponds to one of said predefined operating
3 modes.

1 11. (Currently Amended) A method of selectively controlling a end
2 device in a control network, said method comprising the steps of:

3 selecting a plurality of first output signals from a plurality of first input
4 signals using a device driver provided in a controller;

5 selecting a second output signal from said plurality of first output
6 signals using said device driver; and

7 selecting an operating mode of the end device from a plurality of
8 predefined operating modes based on said second output signal using said device
9 driver.

12. (Original) The method as defined in claim 11 wherein said plurality of predefined operating modes include a first operating mode in which the end device is operated at any point from a first mode to a second mode.

A/ 13. (Original) The method as defined in claim 12 wherein said plurality of predefined operating modes include a second operating mode in which the end device is operated at said first mode or said second mode.

14. (Original) The method as defined in claim 13 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said first mode.

15. (Original) The method as defined in claim 14 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said second mode.

16-24 (Cancelled without prejudice or disclaimer)

25. (New) the device driver as claimed in claim 1, wherein said device drive is comprised of separate software modules corresponding to different devices.

26. (New) The device driver as claimed in claim 1, wherein said device driver is incorporated in a LON control network.

27. (New) A network device controller for selectively controlling a plurality of devices in a control network, said controller comprising:

a plurality of device drivers for controlling a plurality of devices in said control network, wherein each said driver comprises:

one or more selectors for selecting a plurality of first output signals from a plurality of first input signals;

one or more selectors for selecting at least one second output signal from said first output signals; and

AI one or more selectors for selecting an operating mode of the end device from a plurality of predefined operating modes base on said second output signal.

28. (New) A device driver as defined in claim 27 wherein said plurality of predefined operating modes include a first operating mode in which the end device is operated at any point from a first mode to a second mode.

29. (New) A device driver as defined in claim 28 wherein said plurality of predefined operating modes include a second operating mode in which the end device is operated at said first mode or said second mode.

30. (New) A device driver as defined in claim 29 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said first mode.